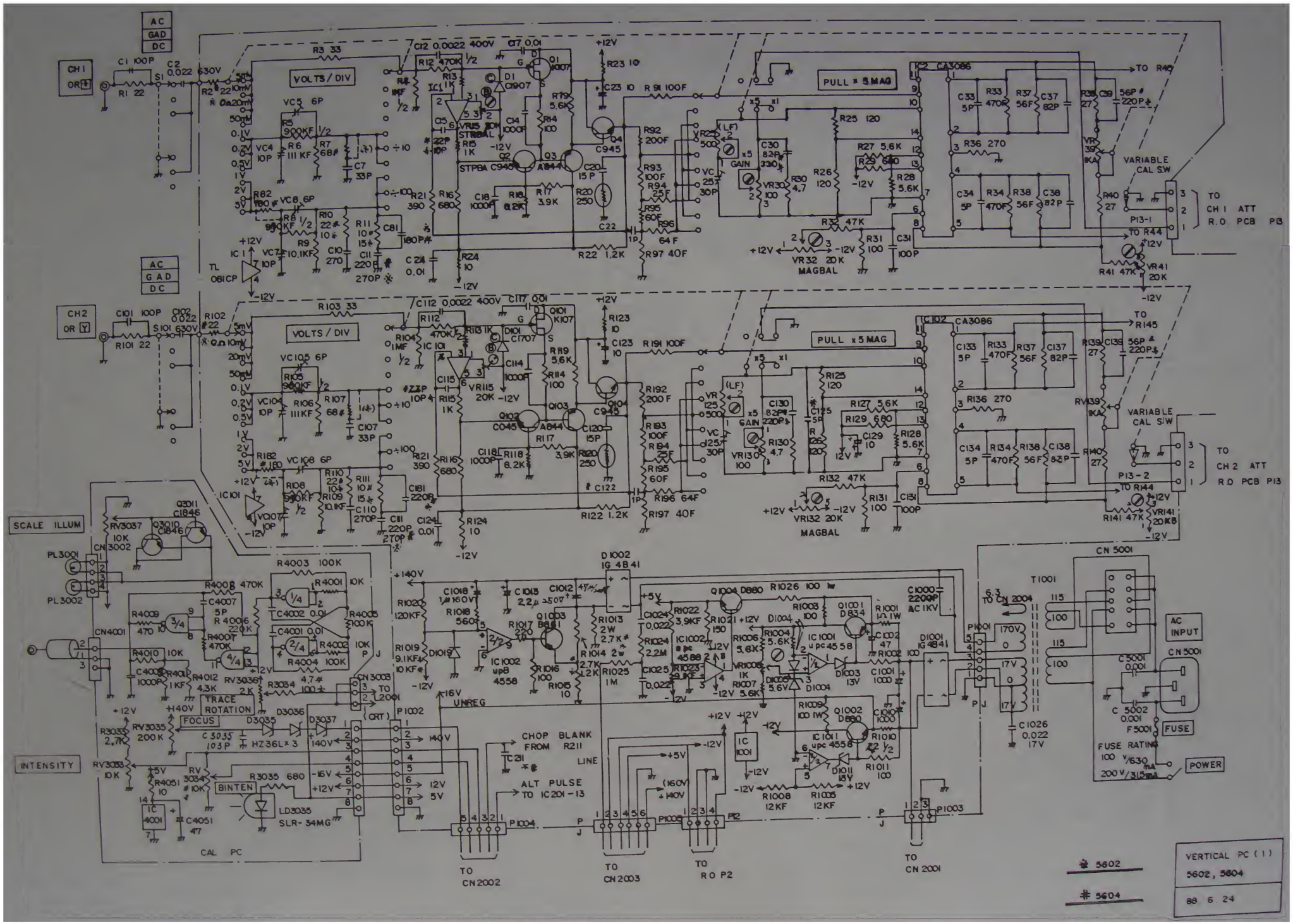
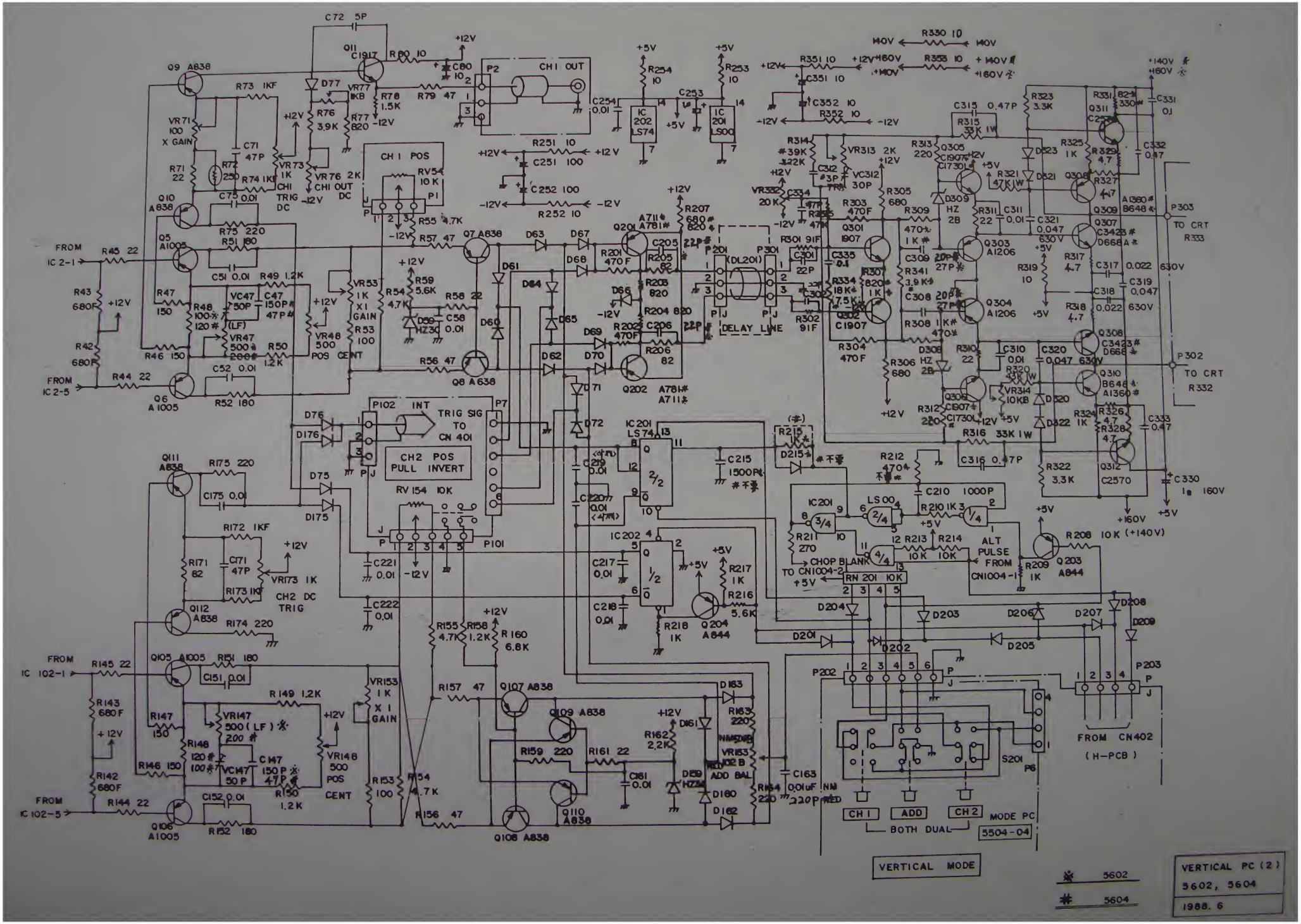
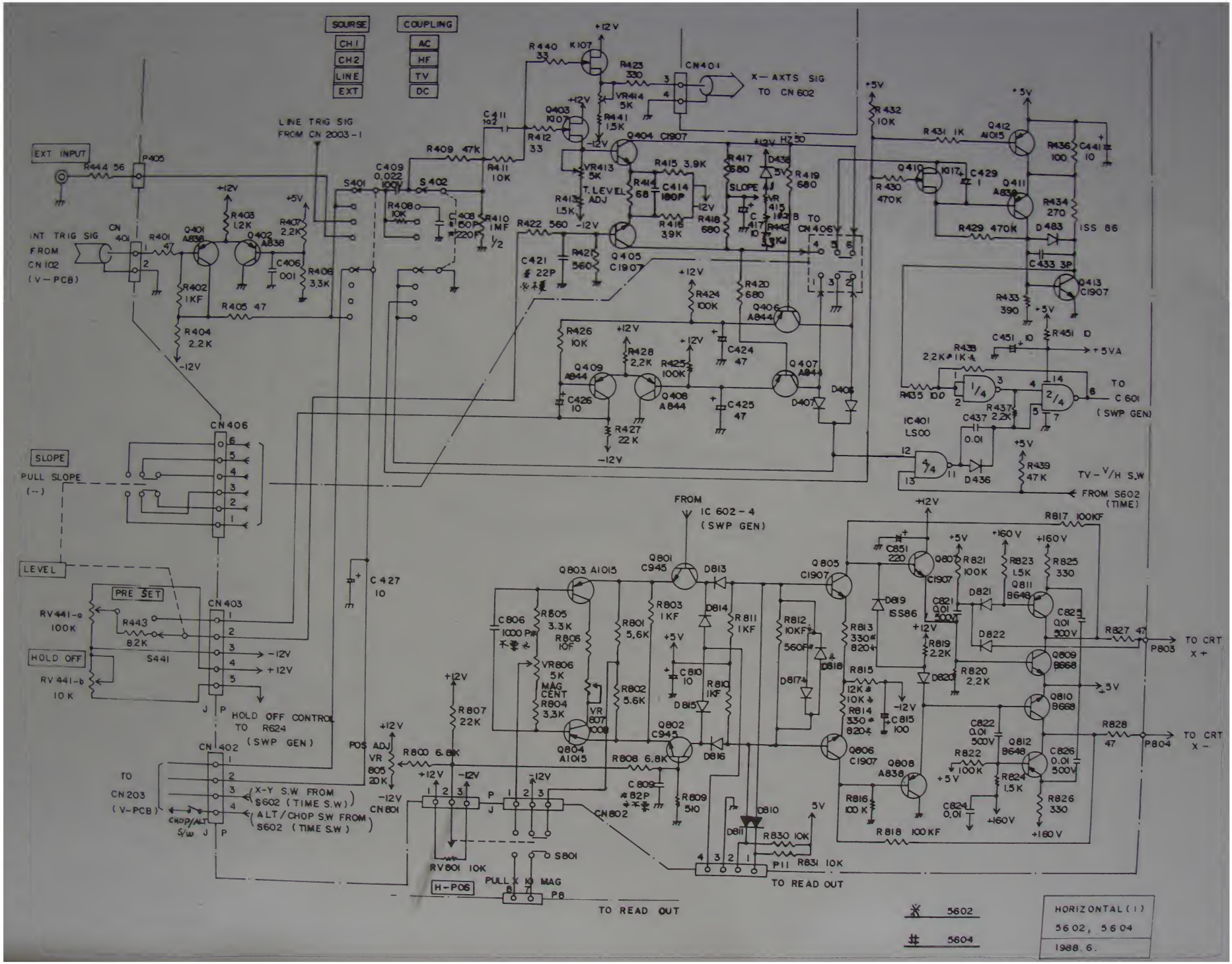
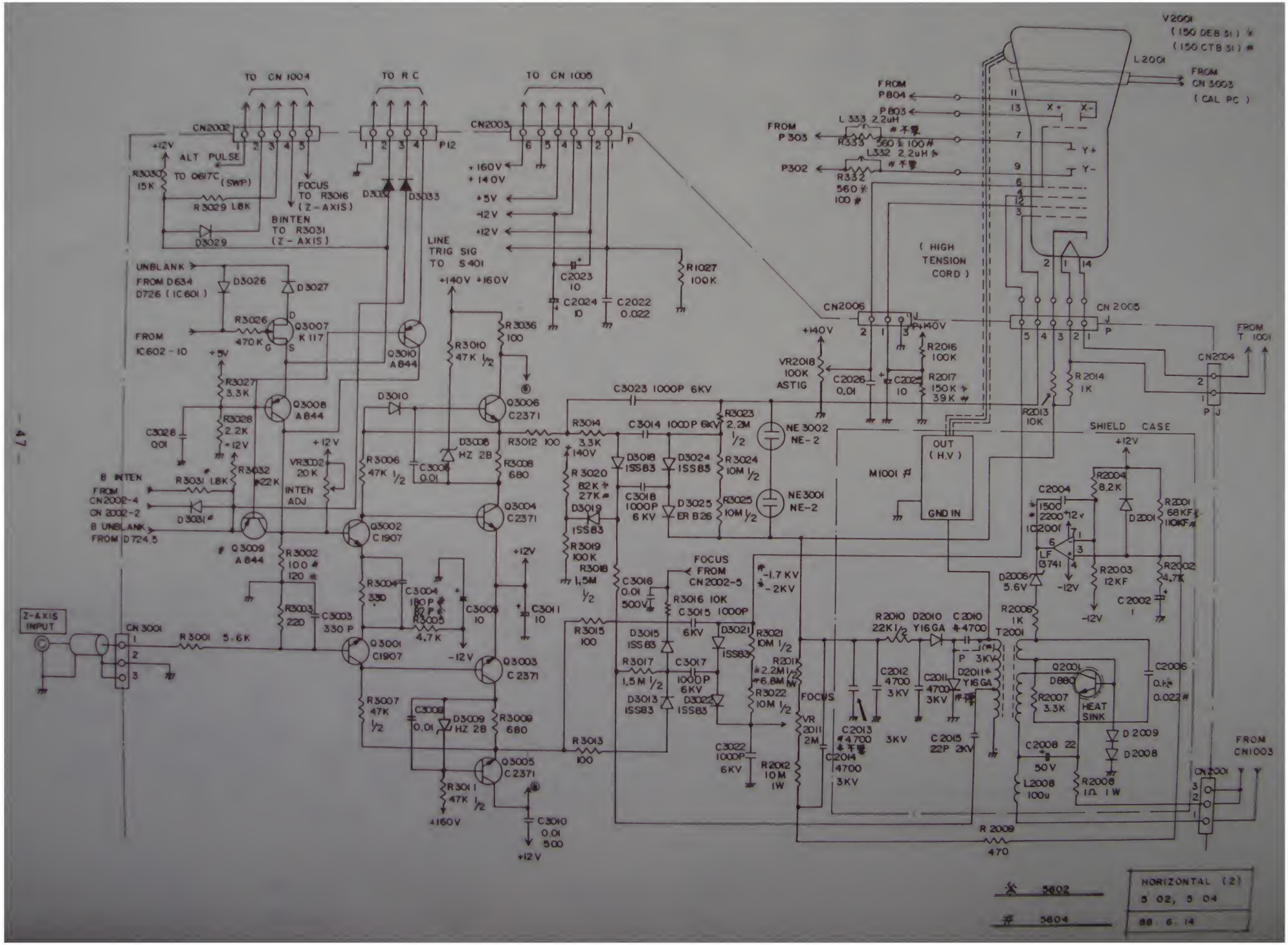
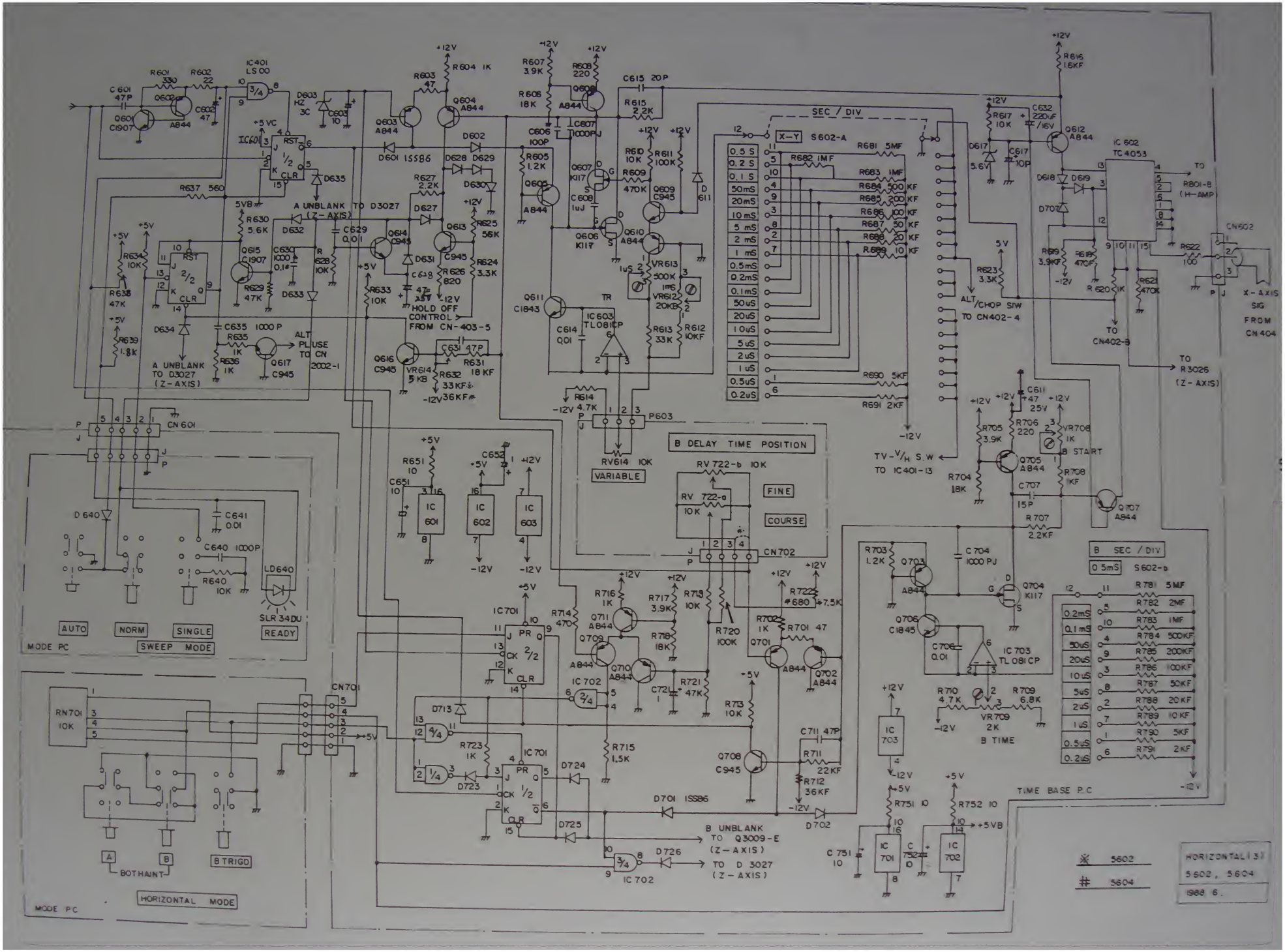
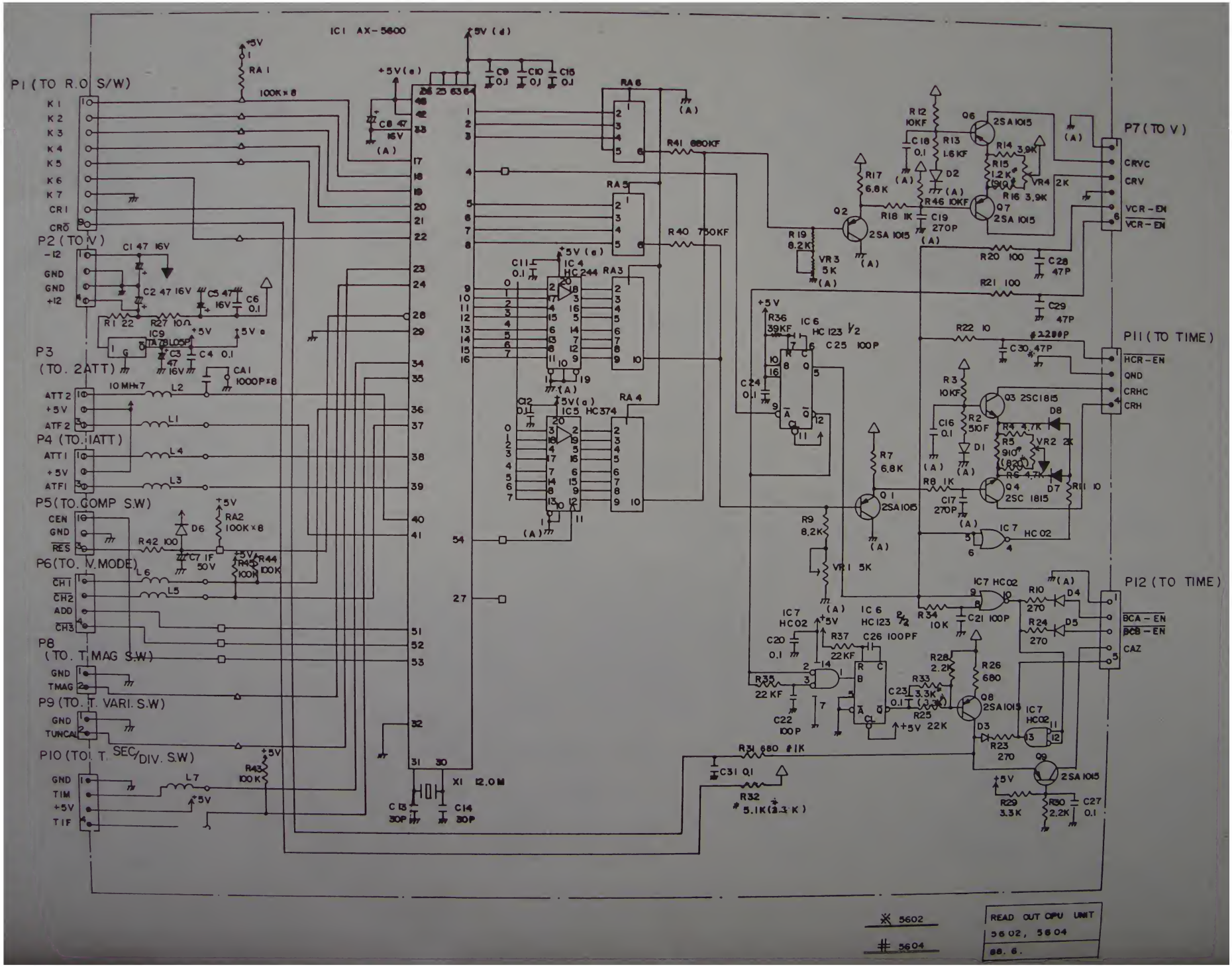

CH1 OR X
CH2 OR Y
AC
GAD
DC
VOLTS / DIV
PULL x 5 MAG
MAGBAL
VARIABLE CAL SW
TO CH1 ATT R.O PCB P13
TO CH2 ATT R.O PCB P13
SCALE ILLUM
INTENSITY
TRACE ROTATION
FOCUS
BINTEN
CHOP BLANK FROM R211
ALT PULSE TO IC201-13
UNREG
AC INPUT
FUSE
FUSE RATING
POWER
TO CN2002
TO CN2003
TO R.O P2
TO CN2001
CAL PC
VERTICAL PC (1)
5602, 5604
88. 6. 24
* 5602
# 5604


VERTICAL MODE
CH1
ADD
CH2
BOTH DUAL
MODE PC
5504-04
FROM CN402
(H-PCB)
TO CRT R333
TO CRT R332
DELAY LINE
CH1 OUT
CH1 POS
CH2 POS PULL INVERT
TRIG SIG TO CN 401
ALT PULSE FROM CN1004-1
CHOP BLANK TO CN1004-2
CH1 DC TRIG
CH2 DC TRIG
CH1 OUT DC
X GAIN
POS CENT
ADD BAL
VERTICAL PC (2)
5602, 5604
1988. 6
5602
5604


SOURSE
CH1
CH2
LINE
EXT
COUPLING
AC
HF
TV
DC
EXT INPUT
P405
R444 56
LINE TRIG SIG
FROM CN 2003-1
INT TRIG SIG
FROM
CN102
(V-PCB)
CN 401
R401 47
Q401 A838
Q402 A838
R402 1KF
R403 1.2K
R404 2.2K
R405 47
R406 3.3K
R407 2.2K
C406 001
R408 10K
C408 150P 220P
C409 0.022 100V
R409 47K
R410 1MF
R411 10K
S401
S402
C411 102
R412 33
R413 1.5K
VR413 5K
T. LEVEL ADJ
R414 68
C414 100P
R415 3.9K
R416 3.9K
R417 680
R418 680
R419 680
D438
SLOPE
VR 415 1K
R440 33
K107
Q403 1007
Q404 C1907
Q405 C1907
R421 560
C421 22P
R422 560
R423 330
VR414 5K
R441 1.5K
CN404
X-AXTS SIG
TO CN602
TO CN406
R420 680
R424 100K
Q406 A844
R426 10K
R428 2.2K
R425 100K
Q409 A844
Q408 A844
Q407 A844
C424 47
C425 47
C426 10
R427 22K
D405
D407
+12V
-12V
+5V
HZ50
CN406
SLOPE
PULL SLOPE
(-)
LEVEL
PRE SET
RV441-a 100K
R443 8.2K
S441
HOLD OFF
RV441-b 10K
CN403
-12V
+12V
HOLD OFF CONTROL
TO R624
(SWP GEN)
C427 10
CN402
TO
CN203
(V-PCB)
CHOP/ALT S/W
X-Y S.W FROM S602 (TIME S.W)
ALT/CHOP S.W FROM S602 (TIME S.W)
FROM
IC 602-4
(SWP GEN)
Q801 C945
Q803 A1015
Q804 A1015
Q802 C945
D813
D814
D815
D816
C806 1000P
R805 3.3K
R806 10F
VR806 5K MAG CENT
R804 3.3K
R801 5.6K
R802 5.6K
R803 1KF
R810 1KF
R811 1KF
C810 10
R807 22K
R800 6.8K
R808 6.8K
C809 82P
R809 510
POS ADJ VR 805 20K
CN801
CN802
RV801 10K
S801
PULL X 10 MAG
H-POS
P8
TO READ OUT
D810
D811
R830 10K
R831 10K
P11
TO READ OUT
Q805 C1907
Q806 C1907
Q807 C1907
Q808 A838
Q809 B668
Q810 B668
Q811 B648
Q812 B648
R813 330 820
R814 330 820
R815 12K 10K
R816 100K
R817 100KF
R818 100KF
R819 2.2K
R820 2.2K
R821 100K
R822 100K
R823 1.5K
R824 1.5K
R825 330
R826 330
R827 47
R828 47
C815 100
C821 0.01 500V
C822 0.01 500V
C824 0.01
C825 0.01 500V
C826 0.01 500V
C851 220
D819 ISS86
D820
D821
D822
D817
D818
+160V
TO CRT X+
TO CRT X-
P803
P804
Q412 A1015
Q410 K117
Q411 A838
R430 470K
R431 1K
R432 10K
R434 270
R436 100
C441 10
C429 1
R429 470K
D483 ISS 86
C433 3P
Q413 C1907
R433 390
C451 10
R451 D
+5VA
R438 2.2K 1K
R435 100
R437 2.2K
C437 0.01
D436
R439 47K
TO C 601
(SWP GEN)
IC401 LS00
TV-V/H S.W
FROM S602 (TIME)
1/4
2/4
5602
5604
HORIZONTAL (1)
5602, 5604
1988.6.


TO CN 1004
TO R C
TO CN 1005
CN2002
CN2003
+12V
ALT PULSE
R3030 15K
TO 0617C (SWP)
R3029 1.8K
FOCUS TO R3016 (Z-AXIS)
BINTEN TO R3031 (Z-AXIS)
D3029
D3032
D3033
+160V
+140V
+5V
-12V
+12V
LINE TRIG SIG TO S401
R1027 100K
C2023 10
C2024 10
C2022 0.022
UNBLANK FROM D634 D726 (IC601)
D3026
D3027
FROM IC602-10
R3026 470K
Q3007 K117
Q3010 A844
R3027 3.3K
Q3008 A844
C3028 0.01
R3028 2.2K
R3036 100
R3010 47K 1/2
D3010
Q3006 C2371
C3023 1000P 6KV
R3014 3.3K 140V
C3014 1000P 6KV
R3023 2.2M 1/2
NE 3002 NE-2
R3012 100
D3008 HZ 28
R3008 680
R3006 47K 1/2
C3006 0.01
VR3002 20K INTEN ADJ
B INTEN FROM CN2002-4
CN 2002-2
B UNBLANK FROM D724.5
R3031 1.8K
R3032 22K
D3031
Q3009 A844
Q3002 C1907
Q3004 C2371
R3002 100 120
R3003 220
C3003 330 P
R3004 330
C3004 180P
R3005 4.7K
C3005 10
C3011 10
Z-AXIS INPUT
CN 3001
R3001 5.6K
Q3001 C1907
Q3003 C2371
R3007 47K 1/2
C3008 0.01
D3009 HZ 28
R3009 680
R3011 47K 1/2
+160V
Q3005 C2371
C3010 0.01 500
+12V
R3018 1.5M 1/2
R3019 100K
D3019 ISS83
R3020 82K 27K
C3018 1000P 6KV
D3018 ISS83
D3024 ISS83
D3025 ER B26
R3024 10M 1/2
R3025 10M 1/2
NE 3001 NE-2
FOCUS FROM CN2002-5
C3016 0.01 500V
R3016 10K
C3015 1000P 6KV
D3015 ISS83
D3021 ISS83
R3021 10M 1/2
R3017 1.5M 1/2
C3017 1000P 6KV
D3013 ISS83
D3022 ISS83
R3022 10M 1/2
R3015 100
R3013 100
C3022 1000P 6KV
R2012 10M 1W
-1.7 KV
-2KV
FOCUS
VR 2011 2M
C2013 4700 3KV
C2014 4700 3KV
C2012 4700 3KV
C2011 4700 3KV
C2015 22P 2KV
R2010 22K 1/2
D2010 Y16GA
C2010 4700
D2011 Y16GA
P 3KV
T2001
R2011 2.2M 1/2 6.8M 1W
V2001 (150 DEB 31) * (150 CTB 31) #
L2001
FROM CN 3003 (CAL PC)
FROM P804
P803
FROM P303
L333 2.2uH
R333 560 100
L332 2.2uH
P302
R332 560 100
(HIGH TENSION CORD)
CN2006
CN 2005
+140V
VR2018 100K ASTIG
C2026 0.01
C2024 10
R2016 100K
R2017 150K 39K
R2013 10K
R2014 1K
FROM T 1001
CN2004
SHIELD CASE
M1001 #
OUT (H.V)
GND IN
C2004 1500 2200
IC2001 LF 3741
+12V
-12V
R2004 8.2K
D2001
R2001 68KF 100KF
R2003 12KF
R2002 4.7K
C2002 1
D2006 5.6V
R2006 1K
Q2001 D880
R2007 3.3K
HEAT SINK
C2006 0.1 0.022
D 2009
D2008
C2008 22 50V
L2008 100u
R2008 1Ω 1W
CN2001
FROM CN1003
R 2009 470
* 5602
# 5604
HORIZONTAL (2)
5 02, 5 04
88. 6. 14
- 47 -


SEC / DIV
X-Y S602-A
0.5 S
0.2 S
0.1 S
50mS
20mS
10 mS
5 mS
2 mS
1 mS
0.5mS
0.2mS
0.1mS
50uS
20uS
10uS
5uS
2uS
1uS
0.5uS
0.2uS
R681 5MF
R682 1MF
R683 1MF
R684 500 KF
R685 200 KF
R686 100 KF
R687 50 KF
R688 20 KF
R689 10 KF
R690 5KF
R691 2KF
ALT/CHOP SW TO CN402-4
TV-V/H S.W TO IC401-13
TO CN402-8
TO R3026 (Z-AXIS)
X-AXIS SIG FROM CN404
TO R801-B (H-AMP)
IC 602 TC4053
B DELAY TIME POSITION
RV 722-b 10K
FINE
RV 722-a 10K
COURSE
RV614 10K VARIABLE
B START
B SEC / DIV
0.5mS S602-b
R781 5MF
R782 2MF
R783 1MF
R784 500KF
R785 200KF
R786 100KF
R787 50KF
R788 20KF
R789 10KF
R790 5KF
R791 2KF
B TIME
VR709 2K
IC 703 TL081CP
IC 701
IC 702
IC 603 TL081CP
IC 601
IC 602
IC 603
IC401 LS00
IC601
IC602
IC603
IC701
IC702
CN601
CN602
CN701
CN702
P603
A UNBLANK TO D3027 (Z-AXIS)
ALT PLUSE TO CN 2002-1
HOLD OFF CONTROL FROM CN-403-5
B UNBLANK TO Q3009-E (Z-AXIS)
TO D 3027 (Z-AXIS)
AUTO
NORM
SINGLE
SWEEP MODE
READY
MODE P.C
BOTHAINT
B TRIGD
HORIZONTAL MODE
TIME BASE P.C
※ 5602
5604
HORIZONTAL (3)
5602, 5604
1988. 6.


IC1 AX-5600
P1 (TO R.O S/W)
K1
K2
K3
K4
K5
K6
K7
CR1
CRO
P2 (TO V)
-12
GND
GND
+12
P3 (TO. 2ATT)
ATT2
+5V
ATF2
P4 (TO. 1ATT)
ATT1
+5V
ATF1
P5 (TO. COMP S.W)
CEN
GND
RES
P6 (TO. V. MODE)
CH1
CH2
ADD
CH3
P8 (TO. T. MAG S.W)
GND
TMAG
P9 (TO. T. VARI. S.W)
GND
TUNCAL
P10 (TO. T. SEC/DIV. S.W)
GND
TIM
+5V
TIF
P7 (TO V)
CRVC
CRV
VCR-EN
VCR-EN
P11 (TO TIME)
HCR-EN
GND
CRHC
CRH
P12 (TO TIME)
BCA-EN
BCB-EN
CAZ
X1 12.0M
IC4 HC244
IC5 HC374
IC6 HC123
IC7 HC02
IC9 TA78L05P
Q1 2SA1015
Q2 2SA1015
Q3 2SC1815
Q4 2SC1815
Q6 2SA1015
Q7 2SA1015
Q8 2SA1015
Q9 2SA1015
※ 5602
5604
READ OUT CPU UNIT
5602, 5604
88. 6.